## WHAT IS CLAIMED IS:

1. A compound of formula (I)

N-Ac-Sar-Gly-
$$AA^3$$
- $AA^4$ - $AA^5$ - $AA^6$ - $AA^7$ -Arg-Pro- $AA^{10}$ 

- or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, wherein 5
  - AA<sup>3</sup> is selected from the group consisting of
    - (1) glutaminyl,
    - (2) phenylalanyl,
    - (3) valyl, and
    - (4) asparaginyl;

AA4 is selected from the group consisting of

- (1) D-isoleucyl,
- (2) isoleucyl,
- (3) D-leucyl, and
- (4) D-alloisoleucyl;

AA<sup>5</sup> is selected from the group consisting of

- (1) seryl,
- (2) methionyl,
- (3) allothreonyl,
- (4) threonyl, and
- (5) tyrosyl;

 $\mathrm{AA}^{6}$  is selected from the group consisting of

- (1) norvalyl,
- (2) seryl,
- (3) tryptophyl,
- (4) glutaminyl, and
- (5) prolyl;

AA<sup>7</sup> is selected from the group consisting of

- (1) isoleucyl,
- (2) D-isoleucyl,
- (3) lysyl(acetyl), and
- (4) prolyl; and

AA<sup>10</sup> is selected from the group consisting of

- (1) D-alanylamide,
- (2) ethylamide, and
- (3) isopropylamide;

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with the proviso that one of AA<sup>4</sup> and AA<sup>7</sup> is a D-amino acid.

- 2. A compound according to Claim 1 wherein AA<sup>4</sup> is D-Ile.
- 3. A compound according to Claim 2 selected from the group consisting of N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>, N-Ac-Sar-Gly-Phe-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>, N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,
- N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Asn-D-Ile-Thr-Nva-Lys(Ac)-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-Ile-alloThr-Ser-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,
- N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Pro-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-Ile-Thr-Gln-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-Ile-Met-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>, and N-Ac-Sar-Gly-Val-D-Ile-alloThr-Pro-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>.
  - 4. A compound according to Claim 1 wherein AA<sup>4</sup> is D-Leu.
  - 5. A compound according to Claim 4 selected from the group consisting of N-Ac-Sar-Gly-Asn-D-Leu-Ser-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, and N-Ac-Sar-Gly-Asn-D-Leu-Thr-Ser-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>.
  - 6. A compound according to Claim 1 wherein AA<sup>4</sup> is D-allolle.
  - 7. A compound according to Claim 6 selected from the group consisting of N-Ac-Sar-Gly-Val-D-alloIle-Ser-Thr-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-alloIle-Tyr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-alloIle-Thr-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>, N-Ac-Sar-Gly-Val-D-alloIle-Thr-Trp-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-alloIle-Ser-Ser-Ile-Arg-ProNHCH(CH<sub>3</sub>)<sub>2</sub>,
  - N-Ac-Sar-Gly-Val-D-allolle-Thr-Trp-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-allolle-alloThr-Gln-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, and N-Ac-Sar-Gly-Val-D-allolle-Ser-Ser-Ile-Arg-Pro-D-AlaNH<sub>2</sub>.

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- 8. A pharmaceutical composition comprising a compound of Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, and a pharmaceutically acceptable carrier.
- 9. A method of treating a patient in need of anti-angiogenesis therapy comprising administering to the patient in need a therapeutically effective amount of a compound in Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof.
- 10. A composition for the treatment of a disease selected from cancer, arthritis, psoriasis, angiogenesis of the eye associated with infection or surgical intervention, macular degeneration and diabetic retinopathy comprising a peptide as defined in Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, in combination with a pharmaceutically acceptable carrier.
- 11. A method of isolating a receptor from an endothelial cell comprising binding a peptide as defined in Claim 1, or a pharmacutically acceptable salt, ester, prodrug, or solvate thereof, to the receptor to form a peptide receptor complex; isolating the peptide receptor complex; and purifying the receptor.
- N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>,
  N-Ac-Sar-Gly-Phe-D-Ile-Thr-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>,
  N-Ac-Sar-Gln-Val-D-Ile-Thr-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,
  N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,
  N-Ac-Sar-Gly-Val-D-Ile-Thr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,
  N-Ac-Sar-Gly-Asn-D-Leu-Ser-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,
  N-(6-Me-Nicotinyl)-Sar-Gly-Val-D-Ile-Thr-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,

A compound selected from the group consisting of

N-Ac-Sar-Gly-Val-D-allolle-Ser-Thr-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-Ile-Thr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Asn-D-Ile-Thr-Nva-Lys(Ac)-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-allolle-Tyr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-allolle-Thr-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>,

N-Ac-Sar-Gly-Val-Ile-Thr-Nva-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,

N-Ac-Sar-Gly-Asn-D-Leu-Thr-Ser-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-Ile-alloThr-Ser-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Gln-D-Ile-alloThr-Nva-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>,

- $\label{eq:N-Ac-Sar-Gly-Val-D-Ile-alloThr-Nva-Pro-Arg-ProNHCH$_2$CH$_3,} \\ N-Ac-Sar-Gly-Val-D-alloIle-Thr-Trp-Ile-Arg-ProNHCH$_2$CH$_3,} \\$
- N-Ac-Sar-Gly-Val-D-allolle-Ser-Ser-Ile-Arg-ProNHCH(CH<sub>3</sub>)<sub>2</sub>, N-Ac-Sar-Gly-Val-D-Ile-Thr-Gln-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-allolle-Thr-Trp-D-Ile-Arg-ProNHCH<sub>2</sub>CH<sub>3</sub>, N-Ac-Sar-Gly-Val-D-allolle-Thr-Nva-Ile-Arg-D-ProNHCH<sub>2</sub>CH<sub>3</sub>,
  - N-Ac-Sar-Gly-Val-D-Ile-Met-Nva-Ile-Arg-Pro-D-AlaNH<sub>2</sub>,
- $\label{eq:charger} \begin{tabular}{ll} N-Ac-Sar-Gly-Val-D-Ile-alloThr-Pro-Ile-Arg-ProNHCH$_2$CH$_3$, \\ N-Ac-Sar-Gly-Val-D-alloIle-alloThr-Gln-Ile-Arg-ProNHCH$_2$CH$_3$, and \\ N-Ac-Sar-Gly-Val-D-alloIle-Ser-Ser-Ile-Arg-Pro-D-AlaNH$_2$. \\ \end{tabular}$